Message

From: Scheer, Dave (MPCA) [dave.scheer@state.mn.us]

Sent: 12/12/2018 4:40:40 PM

To: Hamblin, Patrick [hamblin.patrick@epa.gov]; Biglow, Crague (MPCA) [crague.biglow@state.mn.us]; Jevnisek,

Jennifer (MPCA) [jennifer.jevnisek@state.mn.us]

CC: Sandra Harrigan [sandra.harrigan@tetratech.com]; Sandy Anagnostopoulos

[Sandy.Anagnostopoulos@tetratech.com]

Subject: RE: St Louis Park follow up

Pat:

I am reviewing the most recent data submitted to MPCA for Super Radiator Coils/Daiken. The table below presents soil analytical data collected at the site by their contractor GHD. The water table is typically 45' bgs. PCE concentrations in samples collected at boring VAP11 @25' bgs and VAP13 @10.5' bgs were 1,100 ug/kg and 2,100 ug/kg respectively. VAP11 and VAP13 were located directly below a former vapor degreaser that operated at the site. Additionally, a soil vapor extraction system has been operating at the property for approximately one year prior to collection of these samples. PCE concentrations may have been reduced due to the SVE operation.

Dave

David Scheer P.G.

Senior Hydrogeologist Remediation Division Minnesota Pollution Control Agency 520 Lafayette Road St. Paul, MN 55155

(w) 651.757.2693 (F) 651.296.9707

Table 4 6714 Walker Street St. Louis Fack, Minnesota

			1,3.0% footoetherve	2-Bulanone (Methy Fethy) katoro) (MEK)	2 Нементоне	4-80081412 pontessone starchy technicy betone) (MSK)	Асяспо	Betzens	Carbon truthite	Carbon tetrachloride	es-12 Dictions there	Cy chrise sates	Silver last the	koprosył benzens	skedvyl scetate	Meethy) cyclotes zane	Mostry issue schicariste	Waghtshatene	Totractionesthene	Tolsene	irs six-1,2-Cichlanac Vicina	Trioblicroothene	Vitry) estertes	Xylerres (sokel)
Location	Sample 8D	Units	ugʻkg	uging	शकुल्य	uwkg	ugekg	ugag	upkg	ugrkg	112/Kg	ಗಿದ್ದಿಗಳು	USPNO	изжа	ug/kg	nexes.	ир/ид	28%8	nawa	ugikg	ugʻkg	ughg	uwkg	wg/kg
54-2	S-170718-RA-02	(3-4.5) 5	(5.3) (3	(21) U	(23)33	(23)33	Ω333 U	(5.3) (3	75.31 U	(5.3) G	(5.3) U	(15) U	0.33 J	(5.3) (3	(27) U	(8) U	(5.3) (3	(5.3) (3	4.5.3	1.2.5	(5.3) U	(5.3) 8	(5.3) U	1.52
SV-2	S-170718-FA-03	(35-) %	(4.8) (3	(38) U	(19) 0	(19) 6	(19) 0		(4.8) ∪	(4.E) G	(4.8) U	(9.6) U	(4.8) U		(24) U	(9.6) U	(4.8) (3	(4.8) (3	0.78.3	0.743	(4.8) ∪	(4.8)13	(4.2) U	(9.8)
SV-4	3-170736-RA-12	(20-) 3	(310) (3	(1200) U		(1250) U	(1200) U	(319) 8		(316) U	(5)0) (3	(810) 0		(310) (3	3600 J	7810) U	186 J	97.2	520 J	(3:10) 6		(310) 8		(510) (3
SV-6	S-170726-RA-08	(51-52) €	1.3.5	(38)55	(18) (3	(48)35	4.13	4.5	0.62.3	(4.5) U	98	(9.6) U	(4.5) U		(23) U	1.63	(3.1) (3	6.2	(4.5) ∪	5.74J	15	0.63 J	8.8	3.3 3
SV-7	S-170728-RA-13	(53-) 1	0.77 J	(38) U	(18)	(18) U	(18) U	5.6	(4.8) U	(4.8) 0	67	6.86 J	(4.8) U		(23) U	2.2.5	(4.6) 8	(46) 8	(4.6) (3	10.55 J	2/3	3.57 J	6.8	3.50 J
27-5	S-170717-RA-61	(1-3) €	(4.1) U	(16) U	(15) 0	(18) 8	(18) G	84.13 U	(4.1) 0	(4.3) 33	(8.1) U	(8.2) U	(4.5) 0	54.13 U	(21) U	(8.2) U	(4.1) 0	(4.5) U	(8.1) U	(4.3)33	(4. 8) G	0.74.3	(4.3) U	(8.2) U
Former Degr VAP-01	easer Area S-170720-RA-04	70 7 65 2	Lorence	Lorgonius	Treatons or	648 :	71800 U	Lancour	Campo et	Leganica	Lorgeron	(790) U	1 4270 4	74200 23	72000h U	Lengthern	Lesson	(4550) 3 C	81 J	Location	(405) U	Lazova	74801B	2002
VAP-11	S-170720-RA-65	(4-7:5)	(400) U	3.2.3	(24) 6	1.2.3	25	88.11 U		(5.3) U	(8.1) U	(12) (3	(8.00 J	(400) U	(30) U	(32) 8	(4.8) 0	2.3 3	0.363	0.51.3	88. E. U	48.000	(5.1) U	1.5.3
VAP-33	S-170720-RA-08	(25-) R	(250) U	(1000) U	(1000)	(1800) U	(1806) U	(250) U		(250) U	(250) U	(510) 8	(250) U	(250) U		(510) U	(260) U	(250) U	1199	(250) 5	(250) U	(250) U	(250) U	(510) U
VAP-33	S-170720-RA-07	(35-) ft	(4.1) 13	(38)	(18)3	(18)33	7.5 J	84.1313		5.203	(4.5) U	(8.2) U	(4.1) U	(4.1) 13	(22) U	(8.2) U	(2.4) (3	(4.1) (3	1.13	0.343	(4.3) U	(4.5) 8	(4.1) U	(9.2) U
VAP-11	S-170720-RA-09	(49-) 5	(239) U	(920) U	(920) U	(920) U	(920) U	(235) U	(230) U	(236) U	34.3	(485) U	(230) U	(230) U	(1:00) 8	(485) U		(230) U	360		(290) U	(230) U	(230) U	(480) 8
VA9-03	S-170720-RA-10	(66-) ft	(4.3) ಚಿತ	(37) 02	(27) 03	(37) (33	(17) U.S	4.3 3		(4.2) €	40 3	(8.7) ปม	0.90 J			(8.7) UJ		(4.3) UJ	(4.3) 02		4.53	(4.3) Sid	123	9.35 J
VAP-33	S-170720-RA-11	(74-) ₹	(230) U	(\$200) 83	(226) U	(830) (3	(830) (3	(230) U		(23C) U	2860.3	(450) 83	(23G) E		(1150)31	(480) (3		(230) U	(230) U		76 J		(230) (3	(450) 0
VAP-12 VAP-12	S-170834-RA-19	(1-3.5) №	(6.4) U	(26) U	(25) U	(25) €	(25) U	(6.4) ∪		(5.4) U		(13)(0		(6.4) U		(43) 8	(8.4) 0	0.80 J	8.3	(6.4) U	(8.4) U	(6.4) U	(5.4) U	(43) iJ
	S-170894-RA-29	(4-7) 3	(3.7) U	(45) 6	6.31.5	1.93	19		(3.7) S (5.4) U	(3.7) U	(3.7) U	(74) U		(3.7) U		(7.4) €	8.553	9.46 J (5.4) U	(3.7) U	(3.7) U	(3.7) U	(3.7) U (5.4) U	(3.7) U (5.4) U	(7.4) U (11) U
													(5.4) U	(6.4) U	(27) U	(11) U	(5.4) (3		2.13	0.39 J			1 (0.40 ()	
VAP-12	S-170684-RA-21 S-176687-RA-14	(25-) 8	(5.4) U	(21) 5	(21) 55	(23) 53	(23) 0	(5.4) (3						7250011	(1:200k)4	12270.15	C2450.11						2732035.03	
VAP-12 VAP-13	S-176832-FA-14	(10-16.8) ft	(249) U	(950) U	(\$60) €	3980) U	(080) 0	(240) U	(240) ป	(240) U	(249) U	(480) 0	(740) U	(249) U 34 8) U	(1200) U 733) U	(485) U		(245) U	2180	(240) 0	(246) U	(249) U	(240) 0	(480) U
VAP-12			(249) U						(240) ป				(740) U	(4.5) U	(1209) U (23) U (23) U	(485) U (9.3) U (8.8) U	(240) U (4.8) U (4.0) U					(249) U	(240) 0 (4.6) 0 (4.6) 0	
VAP-12 VAP-13 VAP-13	S-176832-FA-14 S-176832-RA-15	(10-15.8) ft (15.5-18) ft	(249) U (4,8) U	(950) U (19) U	(980) U (19) U	(9) (1 (19) (1	(1990) C	(246) U (4.6) U (4.0) U	(240) U (4.6) U	(240) U (4.8) U	(249) U (4.6) U	(480) U (9.3) U	(240) U (4.6) U	(4.5) U	(23) U	(9.3) €	(4.8)	(240) U (4.8) U	2190 110	(240) U 0.37 J 0.27 J	(240) U (4.8) U	(249) U (4,8) U	(4.8) U	(480) U (8.3) U

D Not defected at the associated reporting limit.
 J Estimated concernation.
 Us this detected responsing limit is estimated.

Bold Test

 Oracless volatile organic compounds.

From: Hamblin, Patrick hamblin.patrick@epa.gov

Sent: Thursday, November 29, 2018 1:33 PM

To: Biglow, Crague (MPCA) <crague.biglow@state.mn.us>; Jevnisek, Jennifer (MPCA) <jennifer.jevnisek@state.mn.us>;

Scheer, Dave (MPCA) <dave.scheer@state.mn.us>

Cc: Sandra Harrigan <sandra.harrigan@tetratech.com>; Sandy Anagnostopoulos

<Sandy.Anagnostopoulos@tetratech.com>

Subject: RE: St Louis Park follow up?

Yes, I will send an invite out later this afternoon.

For our call this morning, was it you, Jen and Dave on the call for MPCA?

Patrick Hamblin, NPL Coordinator Site Assessment and Grants Section, Superfund U.S. Environmental Protection Agency 77 W. Jackson Blvd. Chicago, Il 60604 (312) 886-6312

From: Biglow, Crague (MPCA) < crague.biglow@state.mn.us>

Sent: Thursday, November 29, 2018 9:46 AM

To: Hamblin, Patrick < hamblin.patrick@epa.gov>; Jevnisek, Jennifer (MPCA) < jennifer.jevnisek@state.mn.us>; Scheer,

Dave (MPCA) <dave.scheer@state.mn.us>

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<Sandy.Anagnostopoulos@tetratech.com>

Subject: RE: St Louis Park follow up?

Page 1 of 1

Dave is out today, but looks like his calendar shows he has a conference call from 12:30-1:30. Can we make this call for 1:30?

Crague C. Biglow, P.G.
Supervisor Superfund Unit 2
Minnesota Pollution Control Agency
Site Remediation and Redevelopment Section
651/757-2229
651/297-9707(fax)
crague.biglow@state.mn.us

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From: Hamblin, Patrick < hamblin.patrick@epa.gov>

Sent: Thursday, November 29, 2018 9:36 AM

To: Biglow, Crague (MPCA) < crague.biglow@state.mn.us>; Jevnisek, Jennifer (MPCA) < jennifer.jevnisek@state.mn.us>;

Scheer, Dave (MPCA) < dave.scheer@state.mn.us>

Cc: Sandra Harrigan <<u>sandra.harrigan@tetratech.com</u>>; Sandy Anagnostopoulos

<<u>Sandy.Anagnostopoulos@tetratech.com</u>>

Subject: RE: St Louis Park follow up?

How about 1 PM? I can send out an invite.

Patrick Hamblin, NPL Coordinator Site Assessment and Grants Section, Superfund U.S. Environmental Protection Agency 77 W. Jackson Blvd. Chicago, Il 60604 (312) 886-6312

From: Biglow, Crague (MPCA) < crague.biglow@state.mn.us>

Sent: Thursday, November 29, 2018 9:35 AM

To: Hamblin, Patrick < hamblin.patrick@epa.gov>; Jevnisek, Jennifer (MPCA) < jennifer.jevnisek@state.mn.us>; Scheer,

Dave (MPCA) < dave.scheer@state.mn.us>

Cc: Sandra Harrigan < sandra.harrigan@tetratech.com >; Sandy Anagnostopoulos

<Sandy.Anagnostopoulos@tetratech.com>

Subject: RE: St Louis Park follow up?

Yes we can be available. Let us know what time works for you. We will be calling in from more than one location so if you have a call in number, that would be helpful. Thanks.

Crague C. Biglow, P.G.
Supervisor Superfund Unit 2
Minnesota Pollution Control Agency
Site Remediation and Redevelopment Section
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From: Hamblin, Patrick < hamblin.patrick@epa.gov>

Sent: Thursday, November 29, 2018 9:13 AM

To: Biglow, Crague (MPCA) < crague.biglow@state.mn.us>; Jevnisek, Jennifer (MPCA) < jennifer.jevnisek@state.mn.us>;

Scheer, Dave (MPCA) < dave.scheer@state.mn.us>

Cc: Sandra Harrigan <<u>sandra.harrigan@tetratech.com</u>>; Sandy Anagnostopoulos

<Sandy.Anagnostopoulos@tetratech.com>

Subject: St Louis Park follow up?

Would MPCA be available for a call tomorrow to discuss our meeting on St Louis Park today?

Sandy and Sandra, please let me know your availability for a call.

Patrick Hamblin, NPL Coordinator Site Assessment and Grants Section, Superfund U.S. Environmental Protection Agency 77 W. Jackson Blvd. Chicago, Il 60604 (312) 886-6312